HICKOK

LEADER IN DEPENDABILITY SINCE 1910

RAPID OPERATING INSTRUCTIONS

for

MODEL 799

DYNAMIC MUTUAL CONDUCTANCE TUBE TESTER

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10514 DUPONT AVENUE • CLEVELAND, OHIO 44108 U.S.A.

PRINTED IN U.S.A.

19120 - 121

RAPID OPERATING INSTRUCTIONS

PREPARATION FOR TESTING

DON'T INSERT TUBE INTO TESTER AT THIS TIME, but proceed with the following steps.

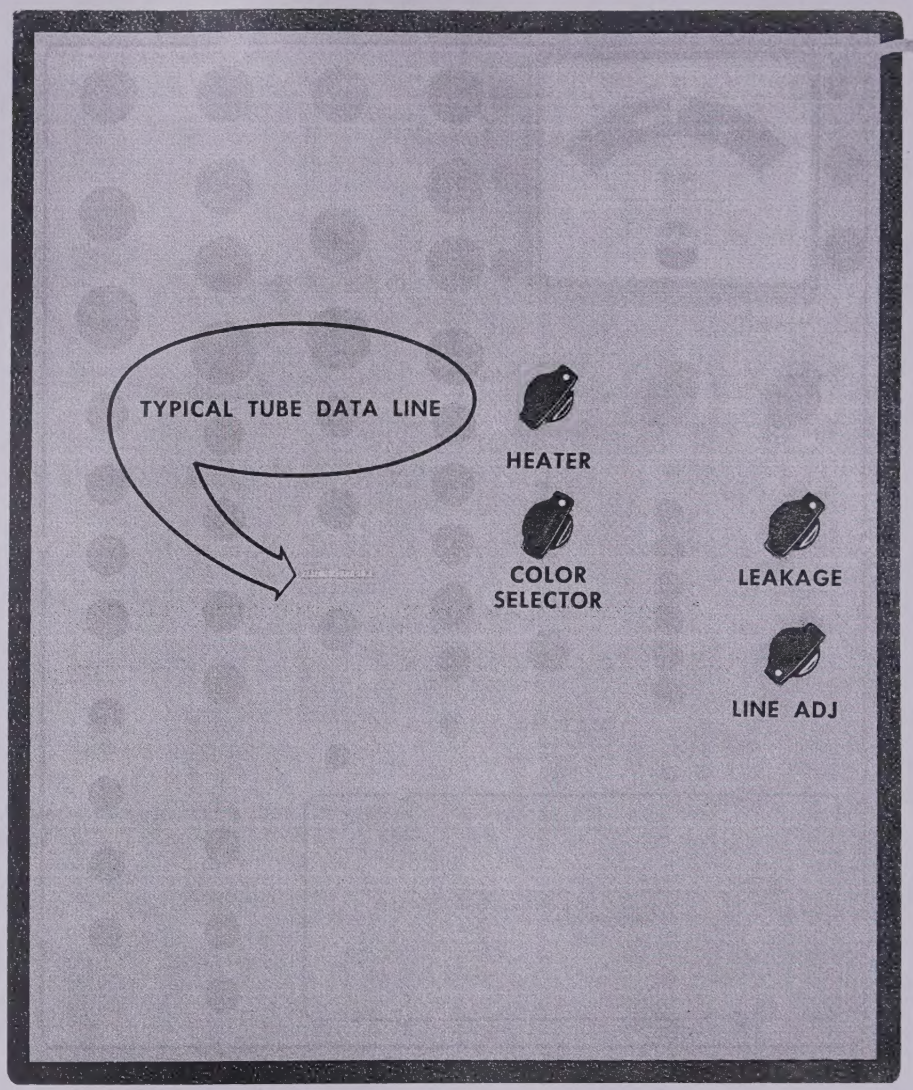
SELECT tube data line on panel which corresponds to tube type to be tested — note color of panel printing — red, green, or blue.

ROTATE COLOR SELECTOR to match color of printing, R, G, or B.

ROTATE HEATER control to number closest to heater voltage. See "Explanation of Typical Tube Data Line" below.

SET LINE ADJ control to OFF position.

SET LEAKAGE switch to TUBE TEST position.



NOTATIONS

SYMBOLS AND ABBREVIATIONS	INTERPRETATIONS AND DIRECTIONS
P	Connect cap lead to P (plate) jack
DT	Dual type, repeat instructions while depressing P6
350 MIN.	Tube is satisfactory with minimum reading of 350
SHORT POS. 1	Good tube indicates short on LEAKAGE position 1
HTR-1.4V	Set HEATER switch to 1.4
*	Disregard short on LEAKAGE position 3 (See Note Below)
!	Make leakage test with HEATER switch OFF
★	Disregard gas test

Note: The color of the data line indicates the normal position of the color selector switch; however, when testing tubes marked with an asterisk in Socket 27, make normal test but disregard leakage switch position #3. Then make heater-cathode leakage test as follows: 1) Leakage switch to position #3. 2) Color selector to Blue. 3) P6 switch "UP".

TESTING

AFTER completing the preparation for testing, **NOW, INSERT TUBE TO BE TESTED** into socket **ABOVE** tube data line, and proceed with the following steps.

ROTATE LINE ADJ control until meter pointer centers on LINE TEST position on meter dial.

ROTATE LEAKAGE switch, momentarily, through positions 4, 3, 2, and 1. If meter pointer enters red area of LEAKAGE scale, discard tube. If not, return LEAKAGE switch to TUBE TEST position and continue.

SET BIAS control as indicated in tube data line. See explanation of typical tube data line.

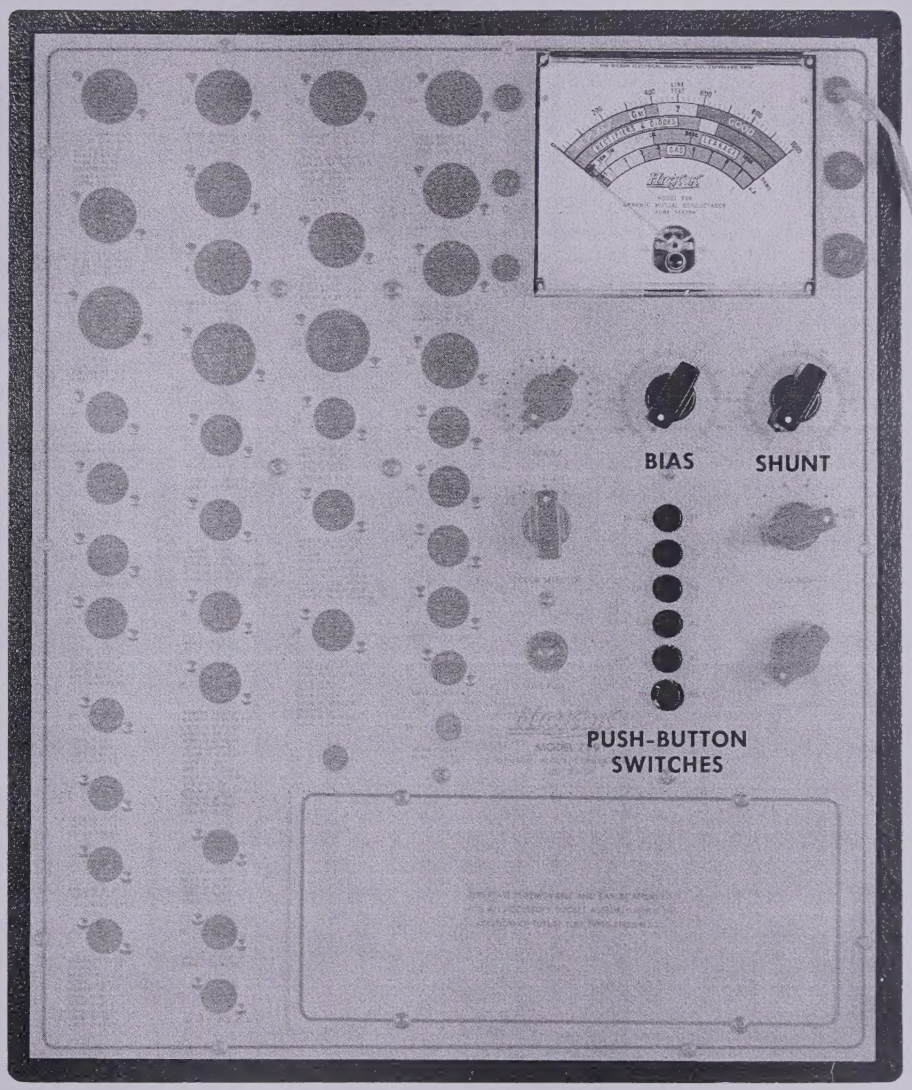
SET SHUNT control as indicated in tube data line.

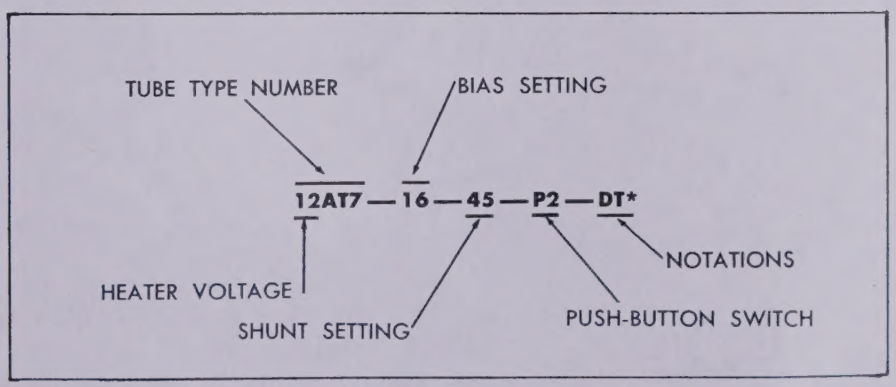
DEPRESS, push button indicated on tube data line. Read quality of tube on Gm meter scale. IF P6 button is indicated, depress and lock it down through all tests of the tube, unlocking it when tests are complete.

SET LEAKAGE switch to GAS and repeat above step. However, read gas content on GAS meter scale.

NOTE: If a tube has more than one tube data line, repeat above steps for each tube data line.

RAPID OPERATING INSTRUCTIONS





EXPLANATION OF TYPICAL TUBE DATA LINE

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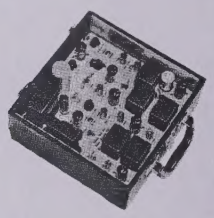
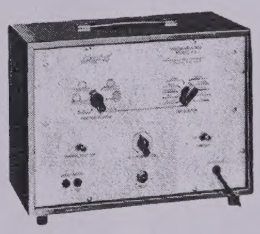
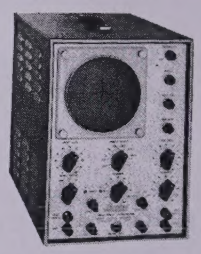


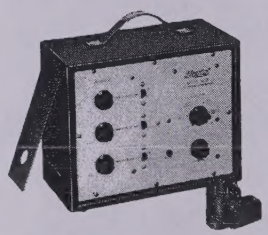
Model 660
White Dot
Color Display
Television Generator



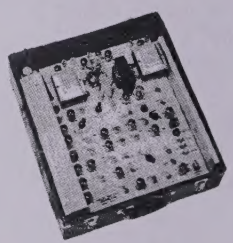
Model 661
Chrom-aligner
NTSC Standard
Color Bar and
White Dot Generator



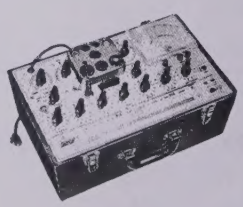
Model 677
Wide Band Service
Technician's
Oscilloscope



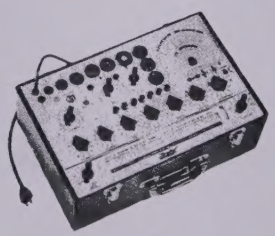
Model 662
Installer's Color
TV Generator



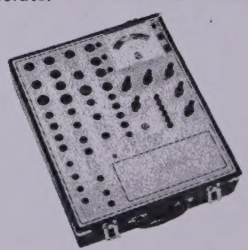
Model 656XC
Color Space Bar,
White Dot
TV Generator



Model 6000A
Service Technician's
High Speed
Deluxe Portable
Tube Tester



Model 800A
Portable Tube Tester,
Transistor and
Diode Checker



Model 799
Multi-socket
Tube Tester

HICKOK

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